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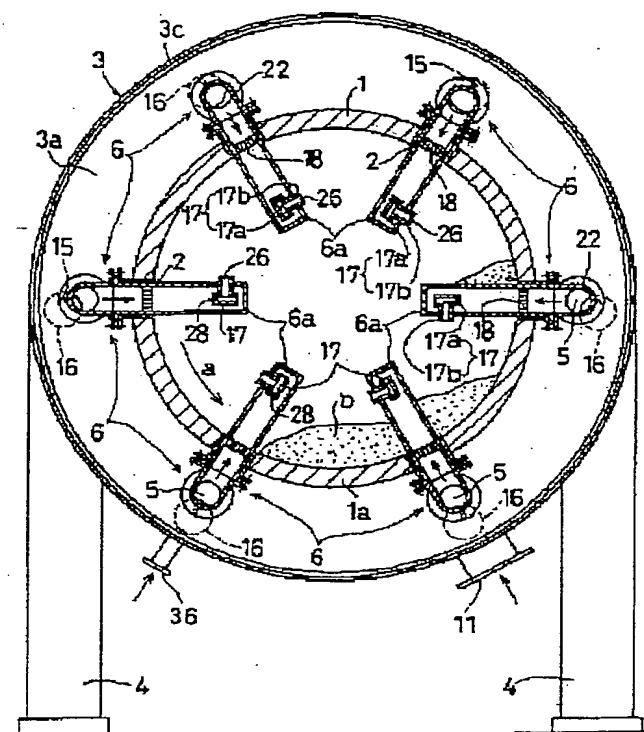
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TITLE : GAS SUPPLYING DEVICE FOR
ROTARY FURNACE



ABSTRACT : PROBLEM TO BE SOLVED: To prevent a gas supply nozzle from being burnt, by a method wherein gas such as combustion air supplied to the gas supply nozzle through a communication pipe reaches the gas supply port after a flow of it around by a baffle plate member in the nozzle.

SOLUTION: A plurality of gas feed ports 2 are formed in a rotatable cylindrical furnace body 1 at intervals of a given distance in a peripheral direction and a plurality of gas inflow ports 5 are formed in wind box 3, fitted in externally of the furnace body 1, at intervals of a given distance in a peripheral direction. The gas inflow ports 5 and the supply ports 2 are respectively intercommunicated through a plurality of communication pipes 6. A plurality of gas supply nozzles 6a protruded in the furnace body 1 through the respective gas supply ports 2 are arranged. The furnace body 1 is caused to rotate one direction (a), gas, such as combustion air, is supplied in the furnace body 1 through gas supply nozzles 6a through the respective communication pipes 6. In a so formed rotary furnace, a gas supply port 26 is formed in the rear side in a rotation direction (a) of the flank part of the tip part of each gas supply nozzle 6a, and a T-shaped pipe 17 to make a gas flow passage detour is arranged at the inner tip part of each gas supply nozzle 6a.

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